Shoot
click
Data

Teaching and Learning 1

EDU 534

Technology in Teaching and Learning

SAS #1

“Technology will not replace great teachers but technology in the hands of great teachers can be transformational”

- George Couros

Think before you Speak

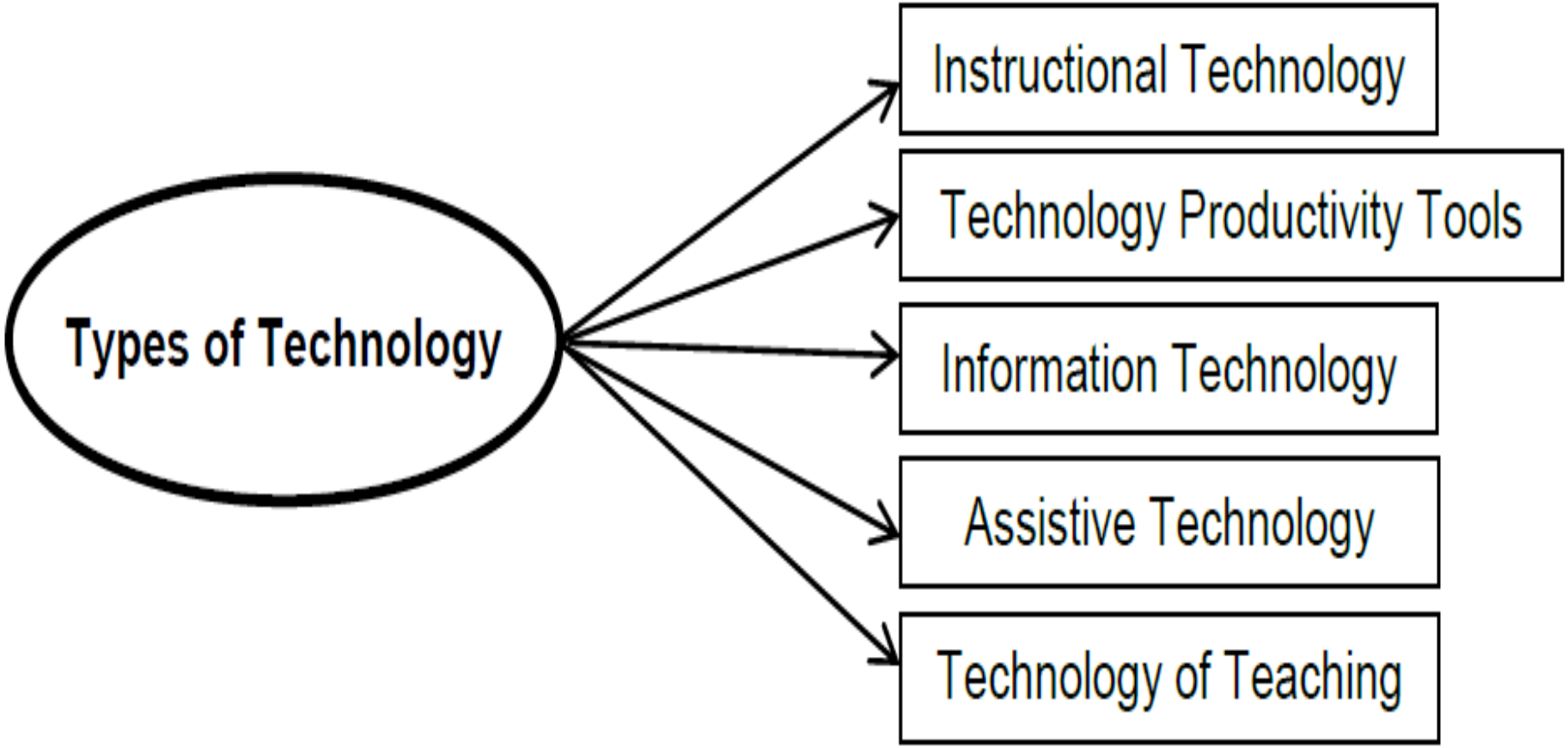
- Look for a pair.
- With your pair, share your thoughts about the following questions:
  - What is Technology?
  - How do you use Technology in education? In life?

Technology

It is the sum of techniques, skills, methods and processes used in the production of goods or services or in the accomplishment of objectives, such as scientific investigation.

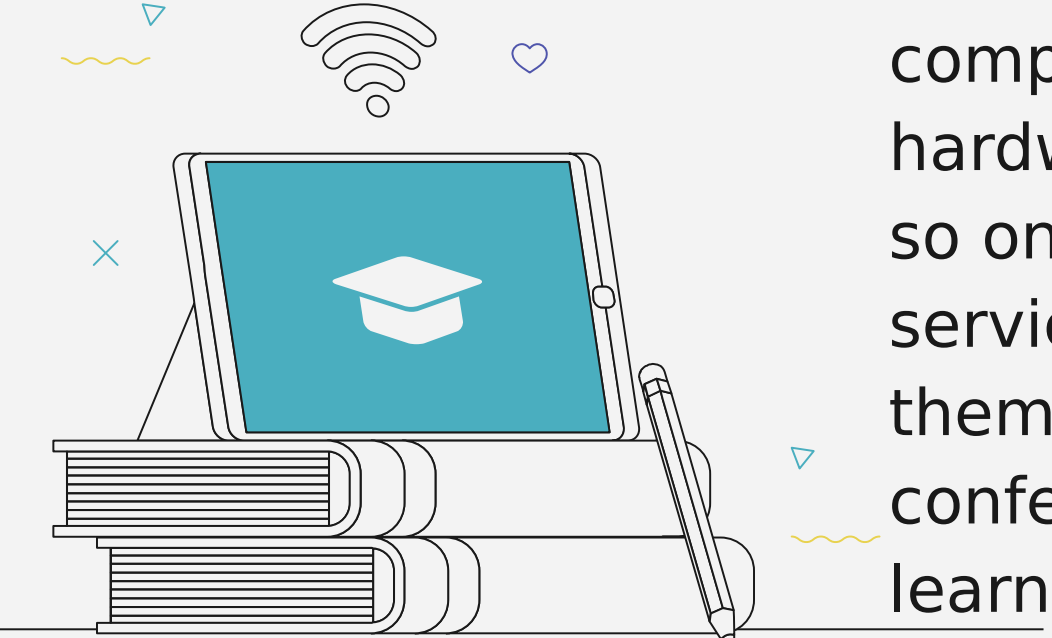
Technology

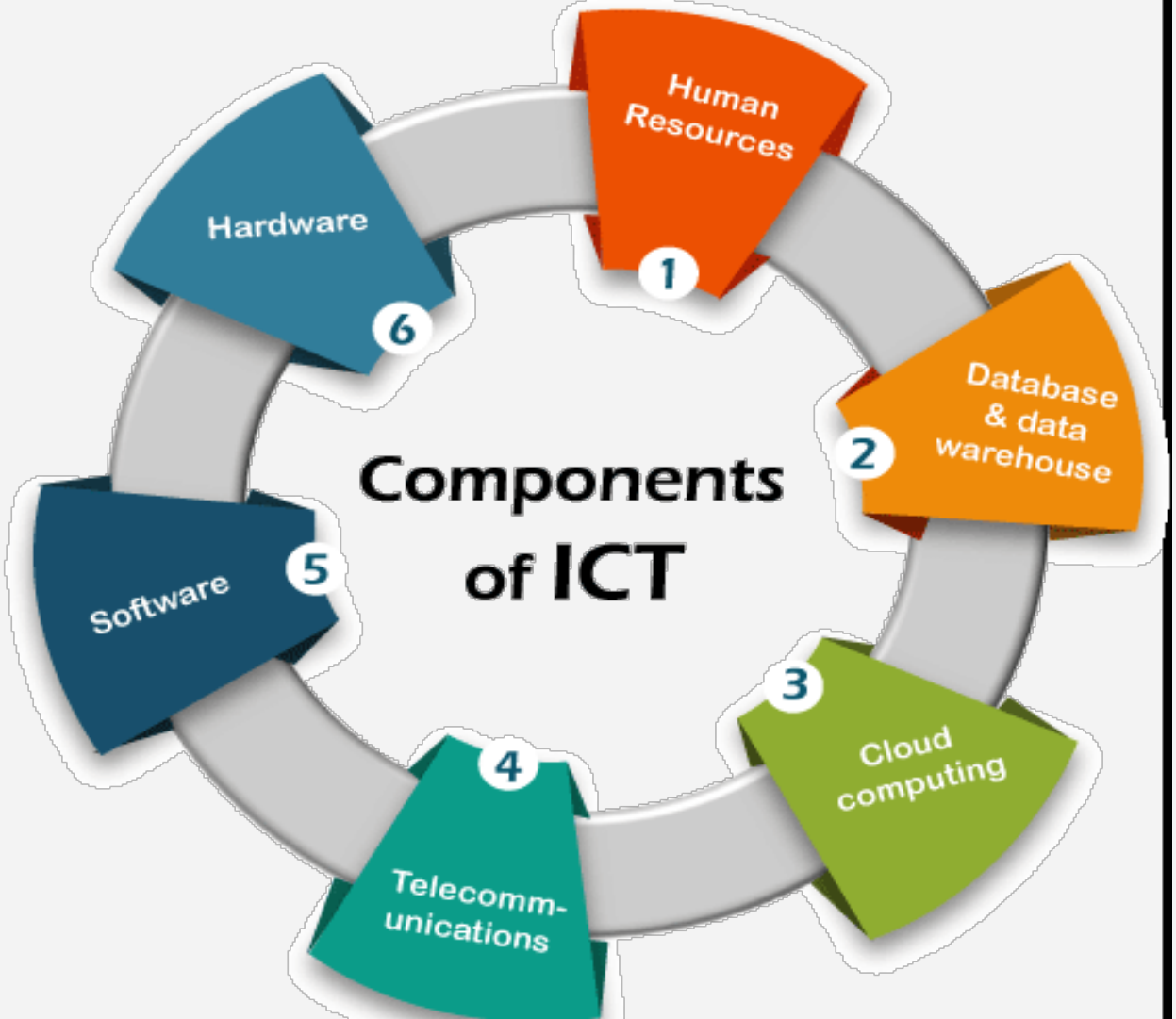
is the application of scientific knowledge to achieve practical ends. It includes highly advanced things like computers, to simple things like hammers and wheels.


Types of Technology
Instructional Technology
Technology Productivity Tools
Information Technology
Assistive Technology
Technology of Teaching

Information and Communications Technology

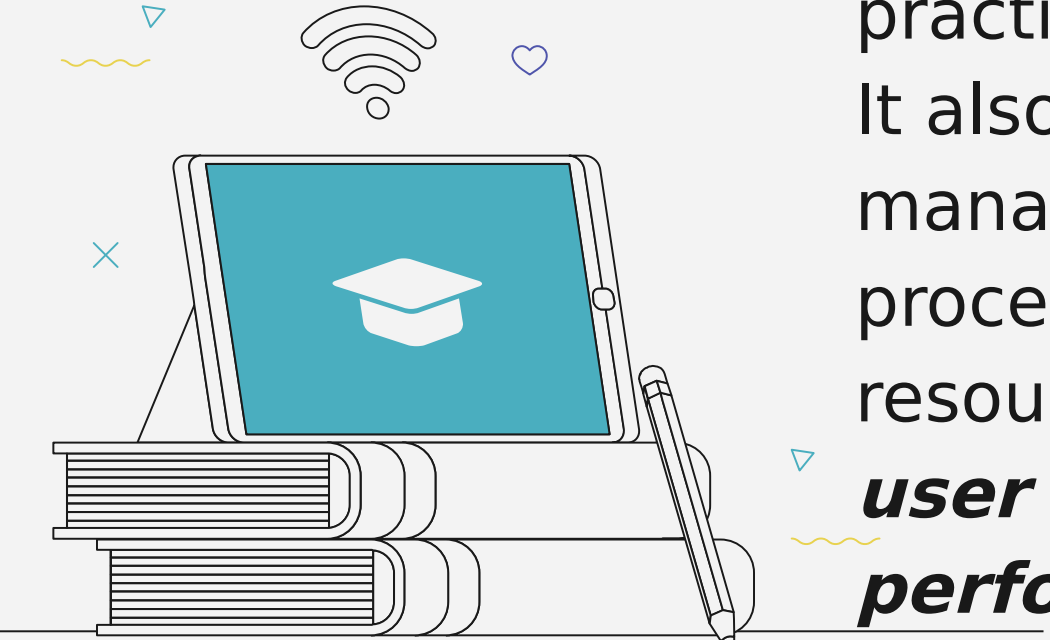
is an umbrella term that includes any **communication device**, encompassing radio, television, cell phones, computer and network hardware, satellite systems and so on, as well as the various services and appliance with them such as video conferencing and distance learning.




Components of ICT
1
Human Resources
2
Database & data warehouse
3
Cloud computing
4
Telecomm-unications
5
Software
6
Hardware

Educational Technology

is the combined use of computer hardware, software and educational theory and practice *to facilitate learning*. It also creates, uses, and manages technological processes and educational resources to ***help improve user academic performance.***



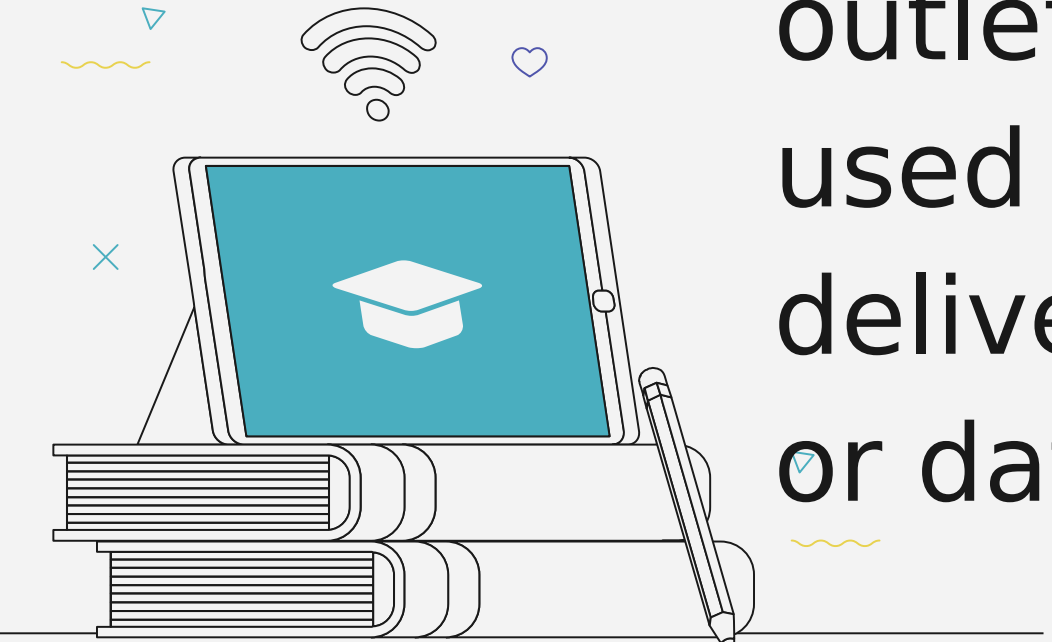
Educational Technology

a field that designs and implements technology for educators and students to enhance the learning experience.

Ribosome
360°
CLASSVR

Media

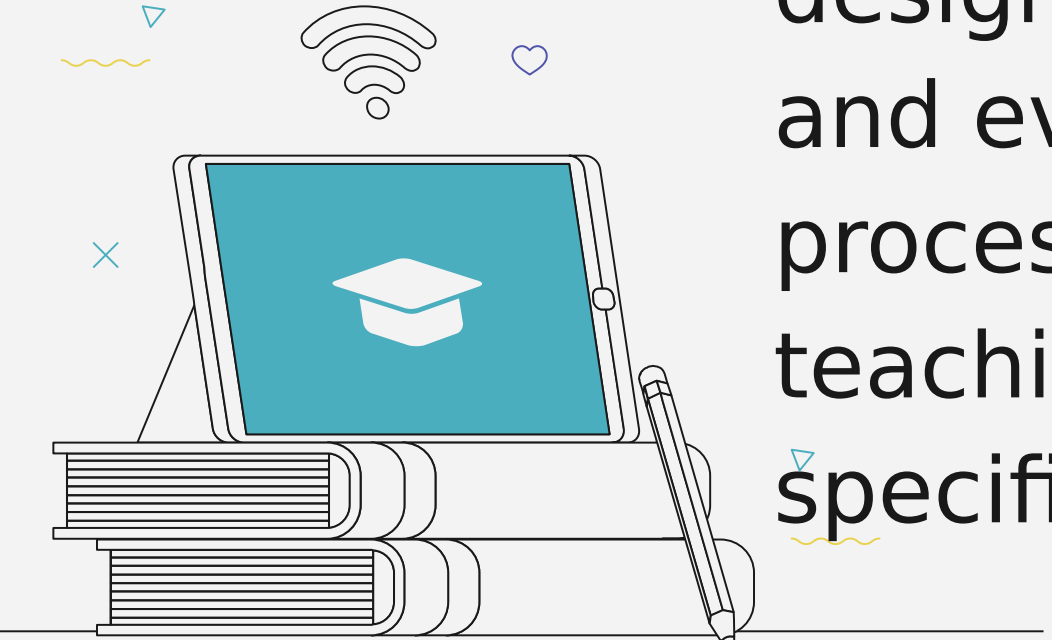
are the communication outlets or tools used to store and deliver information or data.



Types of Media

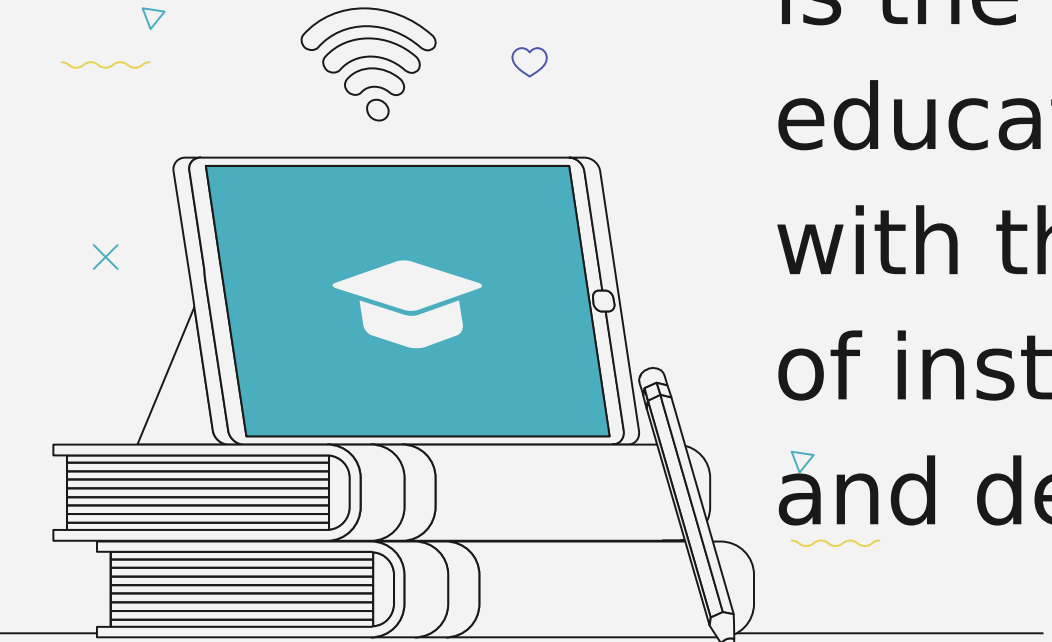
Media
NEWSPAPERS
INTERNET
TELEVISION
RADIO
MAGAZINES

Instructional Technology is a systematic way of designing, carrying out and evaluating the total process of learning and teaching in terms of specific objectives.



Instructional Technology

is the branch of education concerned with the scientific study of instructional design and development



While **educational technology** is based on a wider scope including philosophical aspects, essential approaches, both theoretical and applied subjects on using technology to support education, **instructional technology** is related to the usage of the technology on how-to

Technology Tools

refers to software, primarily, that can be used to develop or support online course content.

Google Voice
calendar
iPad
Adobe Connect
quizzes
infographics
blogs
tablets
phones
RSS
rubrics
tablet
slidecasts
Technology
VoiceThread
Remind101
journals
discussions
Facebook
social networking
Microblogs
podcasts
Twitter
eBooks
Blackboard
Tools
video
email
social bookmarks
texting
wikis
iPhone
screencasts
apps
assignments
surveys
YouTube
mobile

Classcraft

uses these same gaming principles to engage students in the educational process and create a more harmonized learning environment.

one of the most exciting ways for students to engage in content is to practice teaching it themselves. Spark video is an app that kids can use to create their own instructional videos.

Google Classroom

Google’s answer to learning management in school, the Google Classroom app enables teachers to organize various tasks from a single digital location.

even in digital word, writing skills are still key to success for any student. However, not everyone loves the written word. So Kidblog made it fun by allowing kids to create their own journal-like entries in a safe space.

10th Grade Humanities - Period 4

New Post +

Ms. Wilson

Posts | Comments

Filters: Posts with status Published × Review × Draft × | Show Filters

Search posts | Search

Harriet Tubman

5

Josh
Jun 8, 2017, 2:07pm
Class Members

The Case for Renewable Energy

12

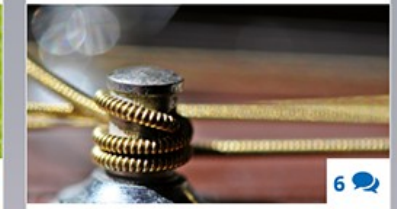
Linda
Jun 8, 2017, 1:55pm
Connections

Animal Farm Book Discussion

33

Megan
Jun 7, 2017, 1:01pm
Class Members

Rise and Fall of Monarchies



6

Daniel
Jun 7, 2017, 11:00am
Class Members

Impressionist artist of the 1800s

15

Sara
Jun 6, 2017, 1:53pm

Digital Storytelling

10

Megan
Jun 6, 2017, 1:42pm

Lord of the Flies Book Review

13

Daniel
Jun 5, 2017, 10:39am

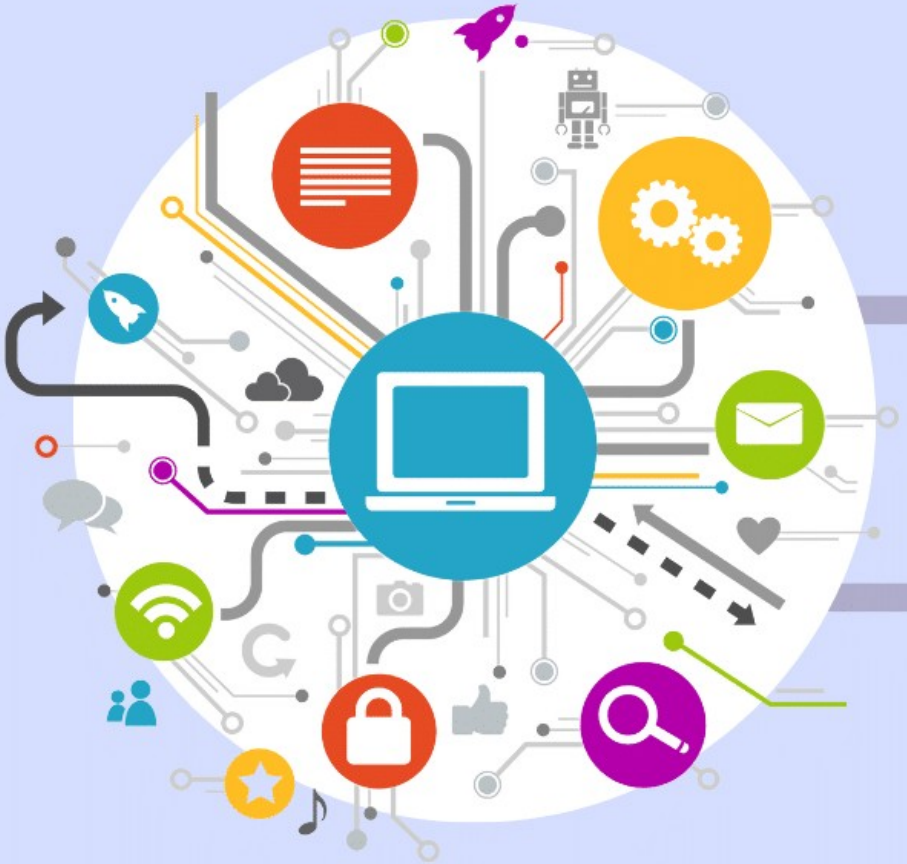
The Catcher in the Rye Book Discussion

24

Linda
Jun 5, 2017, 8:35am

Roles of ICT in Teaching for Learning

SAS #2

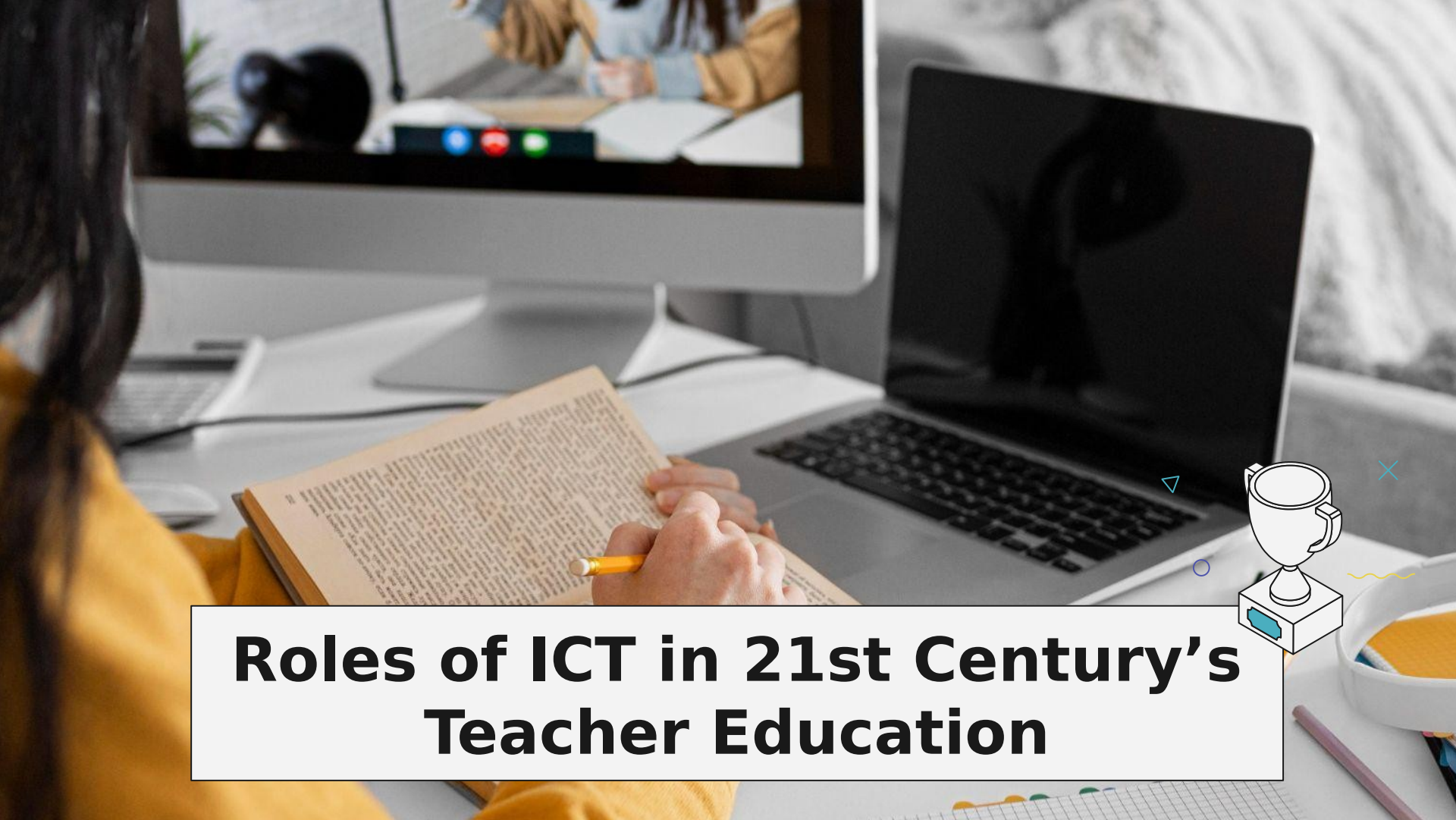


Chegg

ICT

Information & Communication Technology

Information and Communications Technology (ICTs) is an extensional term for information technology that stresses the role of unified communications and the integration of telecommunications and computers.



Roles of ICT in 21st Century’s Teacher Education

- ICT helps teachers in both pre-service and in-Service teachers training.

- ICT helps teachers to interact with students.

- It helps them in preparation their teaching, provide feedback.

- ICT also helps teachers to access with institutions and Universities.

- It also helps in effective use of ICT software and hardware for teaching-learning process.

- It helps in improve Teaching skill, helps in innovative Teaching.

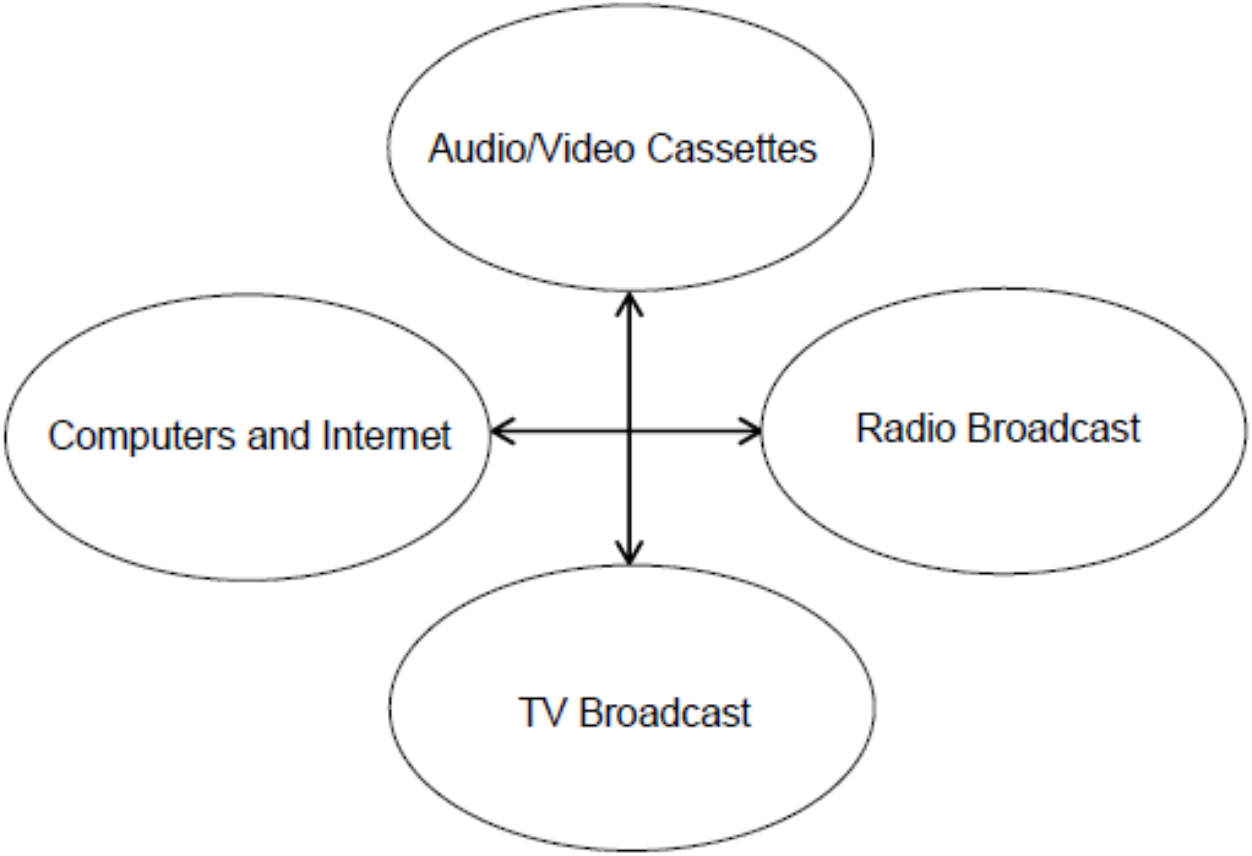
- It helps in effectiveness of classroom.

- It also helps in improving professional Development and Educational management as well as enhances Active

- It is now replacing the ancient technology. As we know nowadays, students are always have competitive mind. So teacher must have the knowledge of the subject. This can be done through ICT.

- ICT prepares teacher for the use of their skills in the real classroom situation and also make students for their future occupation and social life.

Different Types of ICT used in teaching



End of discussion